

Pacific Northwest National Laboratory Environmental Management Performance Report

October 2001

**PREPARED FOR THE U.S. DEPARTMENT OF ENERGY, RICHLAND OPERATIONS OFFICE
OFFICE OF ENVIRONMENTAL MANAGEMENT**

**Pacific Northwest National Laboratory
Operated for the U.S. Department of Energy
by Battelle Memorial Institute**

Table of Contents

INTRODUCTION	1
EXECUTIVE SUMMARY	2
SAFETY OVERVIEW	2
COST/SCHEDULE PERFORMANCE STOPLIGHT	3
PROJECT PERFORMANCE SUMMARY	4
MISSION	4
ACTIVITY SUMMARY	4
PERFORMANCE DATA AND ANALYSIS	5

This document provides the Department of Energy Richland Operations Office (DOE-RL) with a report of the Pacific Northwest National Laboratory (PNNL) performance by Battelle Memorial Institute and its subcontractors.

In Section A, the Executive Summary, text and graphics report the safety metrics status for all PNNL activities. Senior management's overall performance assessment of all Environmental Management activities conducted at PNNL is presented in a stoplight chart.

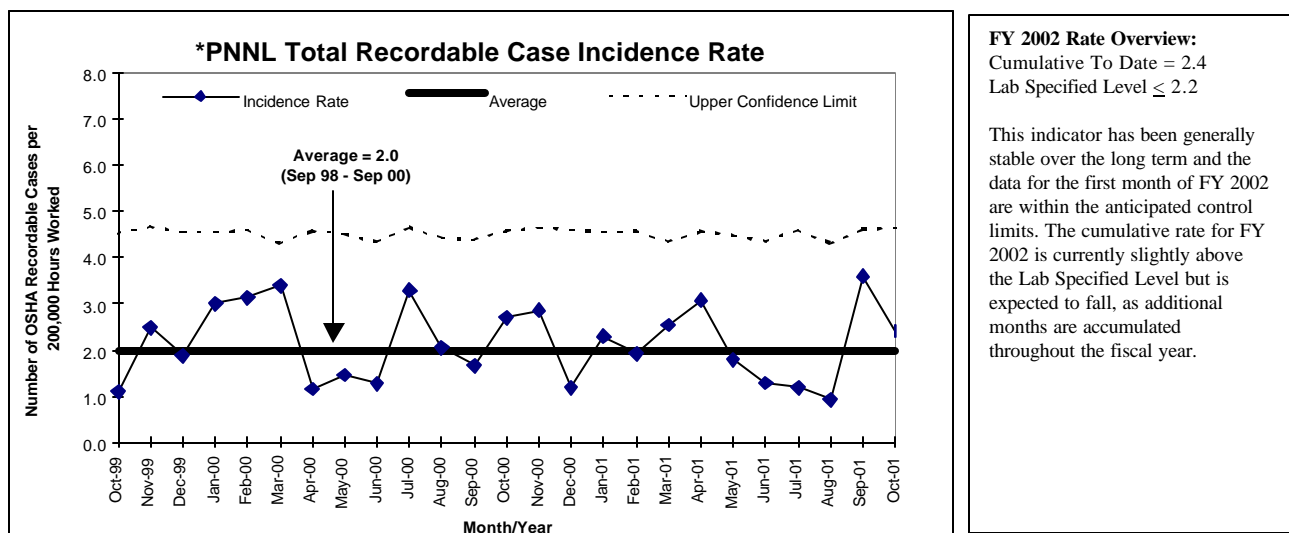
Section B, Project Performance Summary, provides a brief summary of the month's performance for the PNNL lead activity, PNNL Waste Management (PBS RL-SS01). More detailed information can be found within PNNL-7911-121a, PNNL's Quarterly Project Status Report, for the first quarter of fiscal year 2002. Summary analyses pertaining to PNNL's support to other Project Baseline Summaries (PBSs) are addressed in the contractor's report having lead responsibility for that scope.

Unless otherwise noted, information in this report is current as of October 28, 2001.

This section provides an executive-level summary of performance information and is intended to bring to management's attention that information considered to be most noteworthy. The section begins with overview of safety, a summary of FY 2002 performance, followed by a stoplight chart on overall performance.

Safety Overview

The focus of this section is on documenting trends in lab wide work-related injury and illness rates. These are the same performance indicators as appear in the FY 2002 Battelle Performance Evaluation and Fee Agreement, which is part of the Pacific Northwest National Laboratory Operations Contract. The monthly rates for Recordable and Lost Workday cases are presented graphically in this section and are monitored for statistically significant changes. Current efforts to improve performance are being made through the implementation of the Integrated Safety Management System (ISMS) and Voluntary Protection Program (VPP).



Green

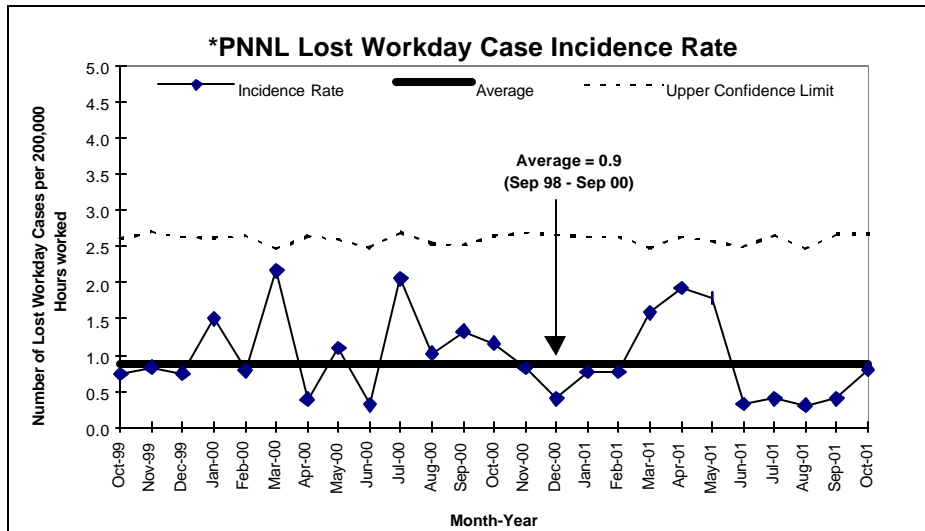
*Includes all Pacific Northwest National Laboratory Operations.

Green: Satisfactory

Yellow: Significant improvement required

Red: Unsatisfactory

PNNL Environmental Management Performance Report – October 2001
Section A - Executive Summary



FY 2002 Rate Overview:
 Cumulative To Date =0.8
 Lab Specified Level ≤ 1.1

This indicator has been generally stable over the long term. The data for the first month of FY 2002 are within the anticipated control limits and the cumulative rate for FY 2002 is currently below the Lab Specified Level.

Green

*Includes all Pacific Northwest National Laboratory Operations.

Green: Satisfactory

Yellow: Significant improvement required

Red: Unsatisfactory

This section provides cost and schedule performance, any significant issues, and upcoming baseline change requests, if any, for the period covered. In FY 2002, Battelle Memorial Institute has lead responsibility over PBS RL-SS01, PNNL Waste Management WBS 3.4.1.7

Mission

WBS 3.4.1.7 provides PNNL with waste management services and compliant operations in support of science and technology development for the multiprogramming needs of the U.S. Department of Energy (DOE) Complex. These services include:

- Essential surveillance and maintenance of DOE laboratory facilities assigned to PNNL for safe containment of radioactive and hazardous materials
- Infrastructure required to manage wastes and effluents currently generated at the PNNL
- Operational compliance services to meet regulatory requirements and operating permits including environment, safety, and health regulations
- Management of legacy wastes and contamination remaining from past PNNL research operations.

Activity Summary

The following summarizes the activities associated with PNNL Waste Management services and operations conducted during October 2001.

- Scheduled Radiochemical Processing Laboratory (RPL) radiological surveys and nuclear control inspections were performed. Inspections were completed at the 1614-D3 and 1615-D3 facilities. No issues were found.
- Scheduled routine waste management activities were performed during the period. All air and water samples required during the month of October were collected, and confirmed that all routine effluent discharges from PNNL's operations reported to date are below historical release levels and compliant with existing state and federal permits. The Environmental Molecular Science Laboratory (EMSL) monthly Discharge Monitoring Report (DMR) for September was submitted directly to the City of Richland on October 9, 2001, thereby satisfying the October deliverable within milestone RLSS01F201. All measured parameters for waste-water discharged to the Richland Publicly Owned Treatment Works were within permit limits.
- One-hundred-sixty-five National Environmental Protection Act (NEPA) reviews were completed on experimental projects within the Laboratory to ensure that the associated project scope will not have potential to create environmental risks.
- A significant cleanout of waste from RPL Room 419 was completed in October. The path forward for disposition of the remaining Special Case Waste (SCW) has been identified and the shipment is planned for in December.

Performance Data and Analysis

As of October 28th, 2001, the cumulative costs are \$.7M with a positive cost variance of \$.3M and a cumulative schedule variance of negative \$-.5M. The cumulative cost variance is 30% and the cumulative schedule variance is a negative 36%. These variances are largely due to fiscal year startup issues, delayed billings and working under DOE continuing resolution.

Cost Performance (\$M):			
	BCWP	ACWP	Variance
PNNL Waste Management	\$.9	\$.7	\$.3
Schedule Performance (\$M):			
	BCWP	BCWS	Variance
PNNL Waste Management	\$.9	\$ 1.4	(\$ 0.5)

FY 2002 Cost/Schedule Performance - All Fund Types **Cumulative to Date Status - (\$000)**

WBS	PBS	BCWS	BCWP	ACWP	CV	%	SV	%
3.4.1.7	RL-SS01	<u>\$1,403</u>	<u>\$882</u>	<u>\$653*</u>	<u>\$260</u>	<u>26</u>	<u>(\$502)</u>	<u>-37</u>
Total		<u>\$1,403</u>	<u>\$882</u>	<u>\$653*</u>	<u>\$260</u>	<u>26</u>	<u>(\$502)</u>	<u>-37</u>

*PNNL has \$1,178.5K carryover, is expecting \$20,043.9K B/A in FY 2002, for a total of \$21,205.2K. Current new B/A is \$0K.

Cost/Schedule Performance Stoplight

The following rating reflects overall cost and schedule performance for activities conducted by PNNL.
(Narrative not required when rating is green.)

Green	
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Green: Satisfactory

Yellow: Significant improvement required

Red: Unsatisfactory

PNNL Performance Data and Analysis

